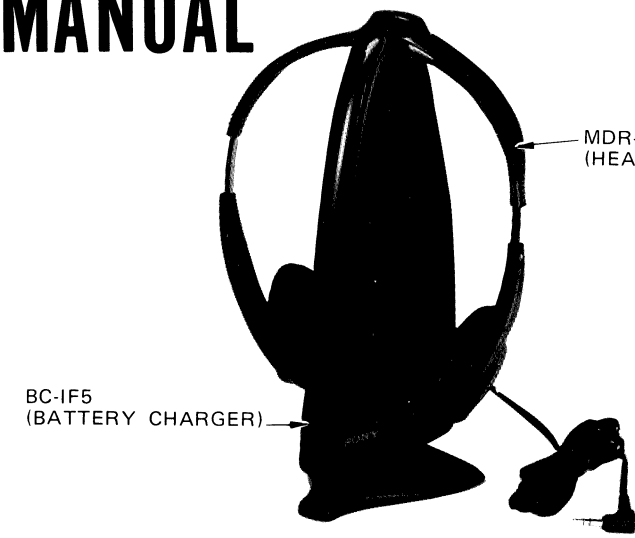
MDR-IF5S

MDR-IF5/BC-IF5

SERVICE MANUAL



US Model
Canadian Model
AEP Model
E Model
Australian Model

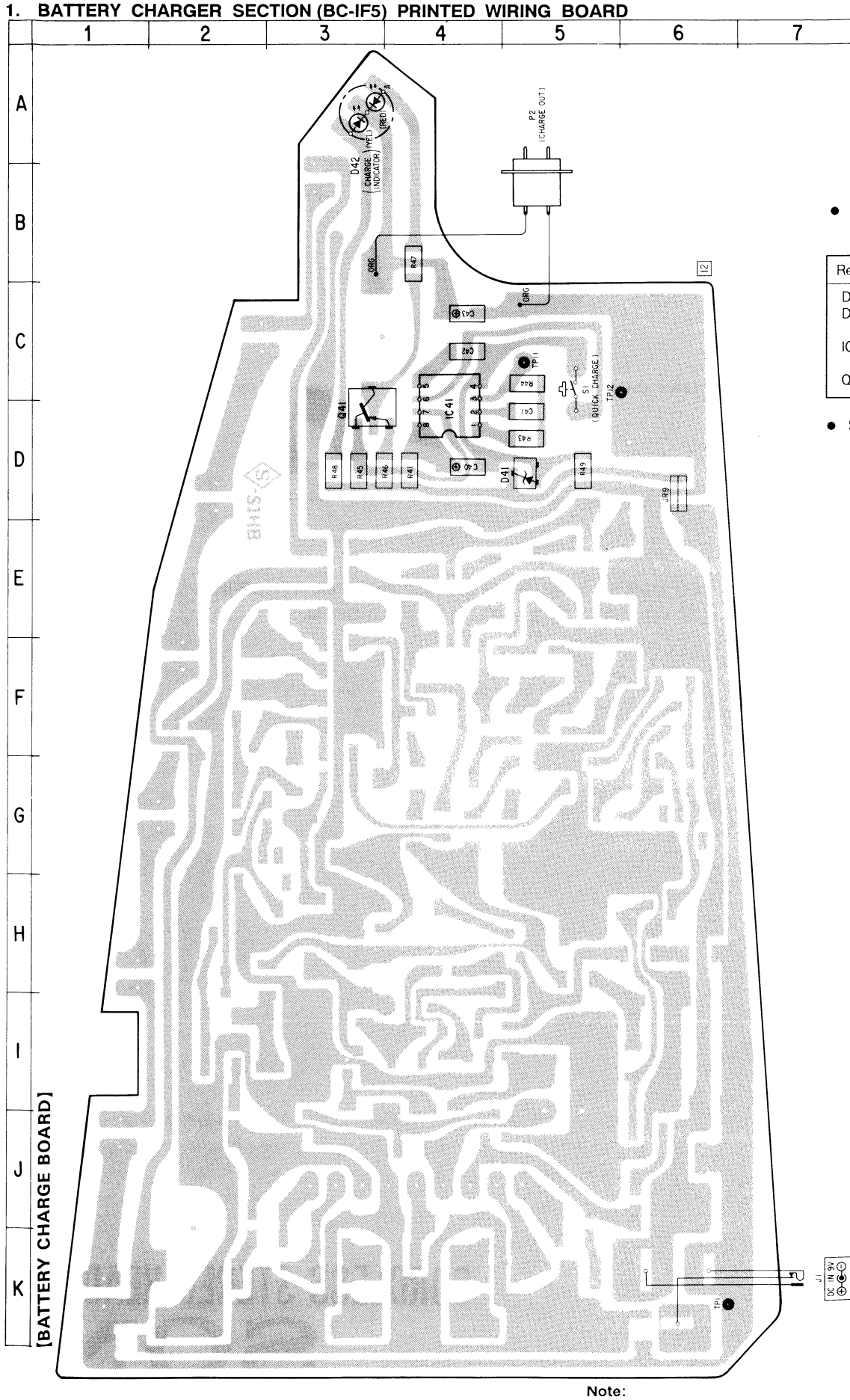
For MDR-IF5 (Headphones Section), please refer to MDR-IF5K Service Manual (9-953-691-12) previously issued.

MICROFILM

CORDLESS STEREO HEADPHONES

SONY®

1. BATTERY CHARGER SECTION (BC-IF5) PRINTED WIRING BOARD

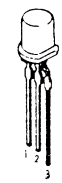


- **Semiconductor Location**

Ref. No.	Location
D41	D-5
D42	A-3
IC41	D-4
Q41	D-3

- **Semiconductor Lead Layouts**

VPRY5345X

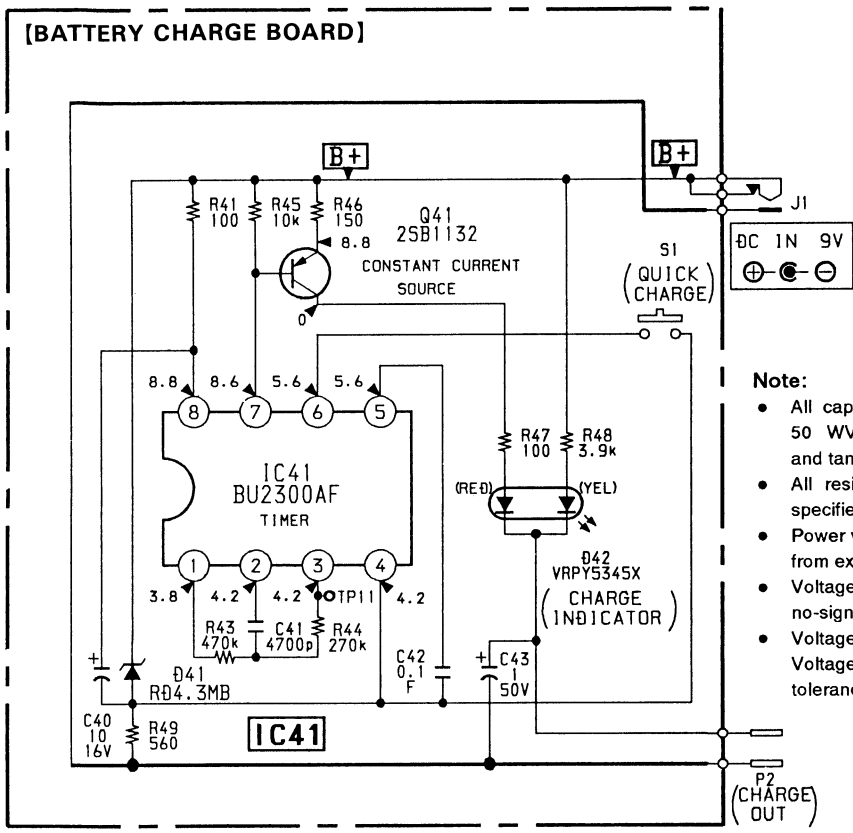


1. ANODE YEL
2. CATHODE
3. ANODE RED

Note:

- ○—— : parts extracted from the component side.
- ●—— : parts extracted from the conductor side.

2. BATTERY CHARGER SECTION (BC-IF5) SCHEMATIC DIAGRAM



Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- Power voltage is dc 9 V and fed with regurated dc power supply from external power voltage jack.
- Voltages and waveforms are dc with respect tc ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (10 MΩ/V).
  Voltage variations may be noted due to normal production tolerances.

3. ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

[BATTERY CHARGER BC-IF5]

Ref.No.	Part No.	Description			
		BATTERY CHARGE BOARD			
C40	1-124-779-00	ELECT	10MF	20%	16V
C41	1-163-055-00	CERAMIC CHIP	0.0047MF	10%	50V
C42	1-163-077-00	CERAMIC CHIP	0.1MF		50V
C43	1-126-193-11	ELECT	1MF	20%	50V
D41	8-719-105-64	DIODE RD4.3M-B2			
D42	8-719-975-26	DIODE VRPY5345X			
IC41	8-759-937-65	IC BU2300AF			
J1	1-507-563-00	JACK, DC (DC IN 9V)			
JR9	1-216-296-00	METAL GLAZE	0	5%	1/8W
P2	1-569-286-11	PIN, CONNECTOR			
Q41	8-729-903-47	TRANSISTOR 2SB1132-Q			
R41	1-216-174-00	METAL GLAZE	100	5%	1/8W
R43	1-216-262-00	METAL GLAZE	470K	5%	1/8W
R44	1-216-256-00	METAL GLAZE	270K	5%	1/8W
R45	1-216-222-00	METAL GLAZE	10K	5%	1/8W
R46	1-216-178-00	METAL GLAZE	150	5%	1/8W
R47	1-216-174-00	METAL GLAZE	100	5%	1/8W
R48	1-216-212-00	METAL GLAZE	3.9K	5%	1/8W
R49	1-216-192-00	METAL GLAZE	560	5%	1/8W
S1	1-553-976-00	SWITCH, PUSH (QUICK CHARGE)			

Ref.No.	Part No.	Description
		ACCESSORY & PACKING MATERIAL
⚠	1-463-701-11	(Australian).....ADAPTOR, AC(AC-930A)
⚠	1-465-154-11	(US).....ADAPTOR, AC
⚠	1-465-210-11	(AEP).....ADAPTOR, AC
⚠	1-465-211-11	(Canadian).....ADAPTOR, AC
⚠	1-465-258-11	(E).....ADAPTOR, AC
⚠	1-526-565-00	(E).....ADAPTOR, AC PLUG
*	2-136-230-01	CUSHION
*	2-136-286-01	INDIVIDUAL CARTON
	3-750-886-11	(Canadian,AEP,E,Australian) ...MANUAL, INSTRUCTION
	3-750-886-21	(US).....MANUAL, INSTRUCTION
	3-750-886-41	(AEP).....MANUAL, INSTRUCTION
	7-621-849-30	SCREW, WOOD +R 3.1X20

4. EXPLODED VIEW

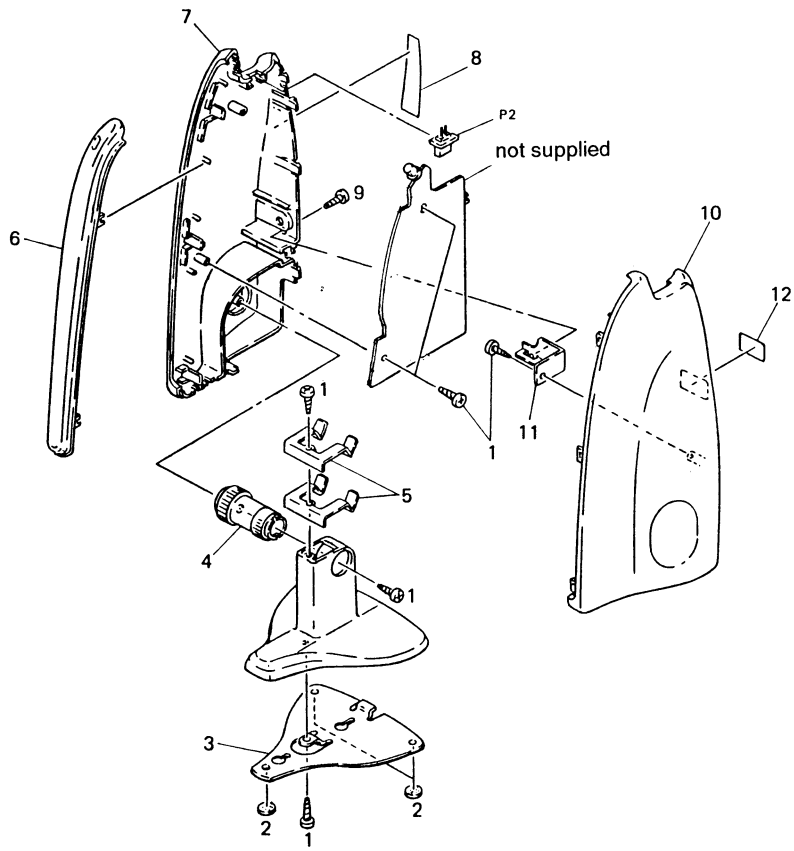
NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
  Example:
  (RED) . . . KNOB, BALANCE (WHITE)
  ↑ ↑
  Cabinet's Color Parts' Color

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifé.

BATTERY CHARGER SECTION (BC-IF5)



No.	Part No.	Description	Remarks
1	7-685-134-19	SCREW +P 2.6X8 TYPE2 NON-SLIT	
2	3-319-288-01	FOOT	
3	2-136-207-01	STAND	
4	2-136-203-01	SHAFT, STAND	
5	2-136-202-01	SPRING	
6	2-136-283-01	WINDOW, CHARGER	
7	2-136-205-01	CABINET (LEFT)	
8	*2-136-252-01	LABEL, MODEL NAME	
9	7-621-255-40	SCREW +P 2X6	
10	2-136-206-01	CABINET (RIGHT)	
11	*2-136-242-01	BRACKET, CABINET	
P2	1-568-286-11	PIN, CONNECTOR	

9-955-633-11

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